

Health Profile Carson City, Nevada 2001

*Bureau of Community Health
August, 2002*

Kenny C. Guinn, Governor
Michael J. Willden, Director
Department of Human Resources

Yvonne Sylva, Administrator
State Health Division

Health Profile Carson City, Nevada 2001

*Bureau of Community Health
August, 2002*

Lei Chen, Ph.D.
Drew Mather, M.S.
Sherry Torgerson, B.S.

Bureau of Community Health, Nevada State Health Division
505 East King Street, Room 304
Carson City, Nevada 89701
(775) 684-5900

ACKNOWLEDGEMENTS

Report prepared by (in alphabetic order):

Lei Chen, Ph.D.
Disease Control Specialist
Bureau of Community Health

Drew Mather, M.S.
Health Resource Analyst
Bureau of Health Planning and Statistics

Sherry Torgerson, B.S.
Disease Control Specialist
Bureau of Community Health

Data provided by (in alphabetic order):

Bureau Of Health Planning And Statistics
William Lee, B.A., Biostatistician
Tim Pollard, B.A., Health Resource Analyst
Brian Wellins, B.A., Biostatistician

Bureau of Community Health
Kate McNeese, Administrative Assistant
Sherry Torgerson, B.S., Disease Control Specialist
Lee Zdanowicz, M.S., B.B.A., Management Analyst

Division of Mental Health and Developmental Services
Rural Clinics Community Outpatient Services
Jerry Cinani, Director, Program Evaluation

Special Thanks to:

Mary Guinan, M.D., Ph.D.
Executive Director
Nevada Public Health Foundation

Randall Todd, Dr. P.H.
State Epidemiologist
Nevada State Health Division

Richard Whitley, M.S.
Bureau Chief
Bureau of Community Health

Wei Yang, Ph.D., State Biostatistician
Bureau of Health Planning and Statistics

CONTENTS

ACKNOWLEDGEMENTS	i
CONTENTS	ii
LIST OF TABLES	iii
LIST OF FIGURES	iv
EXECUTIVE SUMMARY	v
NEVADA MAP	vi
HEALTH PROFILE	1
DEMOGRAPHICS	1
2001 DEMOGRAPHICS	1
1991 - 2001 POPULATION CHANGE	2
2001 - 2010 POPULATION PROJECTIONS	3
SOCIOECONOMIC STATUS	4
BIRTHS	5
DEATHS	6
CHRONIC DISEASES: CONDITIONS AND RISK FACTORS	8
INFECTIOUS DISEASES	9
INJURIES	10
PREVENTIVE SERVICES USE	11
IMMUNIZATION COVERAGE LEVELS IN CHILDREN	11
ADULT PREVENTIVE SERVICES USE	11
MENTAL HEALTH	12
TECHNICAL NOTES	13
1. RACE AND ETHNICITY	13
2. POPULATION DATA	13
3. CRUDE RATE	13
4. AGE-AJUSTED MORTALITY RATE	13
5. DATA CONFIDENTIALITY	13
6. SAMPLE SIZE FOR BRFSS IN CARSON CITY	13
7. POVERTY	13
REFERENCES	14

LIST OF TABLES

TABLE 1	Population by Gender, Age Group, and Race/Ethnicity, 2001.....	1
TABLE 2	Population Change from 1991 to 2001 by Gender, Age Group, and Race/ Ethnicity.....	2
TABLE 3	Population Projected Change from 2001 to 2010 by Gender, Age Group, and Race/Ethnicity.....	3
TABLE 4	Socioeconomic Status.....	4
TABLE 5	Births, 1999-2001.....	5
TABLE 6	Infant Death Rates per 1,000 Live Births, 1999-2001.....	6
TABLE 7	Age-adjusted Mortality Rates per 100,000 Population, 1999-2001.....	6
TABLE 8	Top Ten Leading Causes of Death by Age Group for Two-Year Period (1999- 2000).....	7
TABLE 9	Reported Infectious Disease Case Rates per 100,000 Population, 1999-2001....	9
TABLE 10	Injury Death Rate per 100,000 Population, 1999-2001.....	10
TABLE 11	Mental Health Case Loads, FY2001-FY2002.....	12

LIST OF FIGURES

FIGURE 1	Population Distribution by Race/Ethnicity, 2001.....	1
FIGURE 2	Population Increase (%) from 1991 to 2001 by Gender.....	2
FIGURE 3	Population Increase (%) from 1991 to 2001 by Age Group.....	2
FIGURE 4	Population Increase (%) from 1991 to 2001 by Race/Ethnicity.....	2
FIGURE 5	Population Increase (%) from 2001 to 2010 by Gender.....	3
FIGURE 6	Population Increase (%) from 2001 to 2010 by Age Group.....	3
FIGURE 7	Population Increase (%) from 2001 to 2010 by Race/Ethnicity.....	3
FIGURE 8	Infant Death Rates per 1,00 Live Births, 2001.....	6
FIGURE 9	Age-Adjusted Mortality Rates, 2001.....	6
FIGURE 10	Leading Chronic Disease Hospital Admissions, 2001.....	8
FIGURE 11	Smoking Rate (%), 2001.....	8
FIGURE 12	Alcohol Beverage Consumption Rate (%), 2001.....	8
FIGURE 13	Physical Activity & Fitness (%), 2000.....	8
FIGURE 14	High Blood Pressure (%), 2001.....	8
FIGURE 15	No Cholesterol Check (%), 2001.....	8
FIGURE 16	Estimated Vaccination Coverage Level with 4:3:1 among Children at 24 Months of Age, 1999-2001.....	11
FIGURE 17	Adult Preventive Services Use (%), 2000 & 2001.....	11
FIGURE 18	Mental Health Case Loads, FY2001-FY2002.....	12

HEALTH PROFILE CARSON CITY, NEVADA, 2001

EXECUTIVE SUMMARY

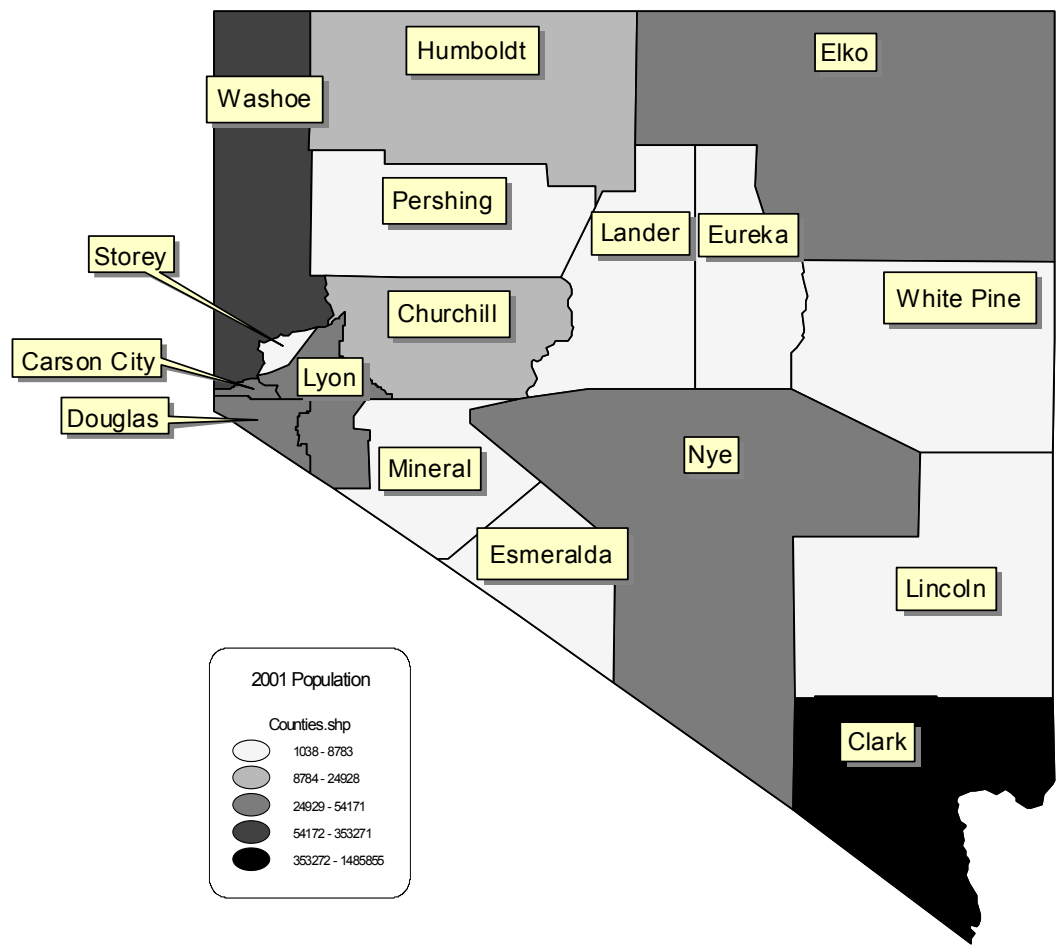
This report was prepared by the Bureau of Community Health (BCH), Nevada State Health Division. The purpose of the report is to provide information to policy makers, grant writers, medical providers, and administrators, and other parties interested in the health status of Carson City and the State of Nevada. The data is organized into sections by providing basic demographics, socioeconomic status, births, deaths, chronic diseases and risk factors, infectious diseases, injuries, preventive services for children and adults. For most health indicators, data for Carson City were compared to the statewide data and Healthy People (HP) 2010 targets.

Carson City had a 32% increases in population from 1991 to 2001. In 2001, the population of Carson City was 54,171 accounting for 2.5% of the total state population (2,132,498) of Nevada. Carson City has a higher percentage of people in the 65 years and older age group, a lower rate of non-white population, and a higher unemployment rate compared to the State of Nevada.

The following table is a summary of the current health status of Carson City compared with HP 2010 targets. Details can be found later in the report under the respective sections.

Health Indicators	HP 2010 Targets Met ★	HP 2010 Not Met ▲
BIRTHS		<ol style="list-style-type: none"> 1. Low Birth Weight 2. Very Low Birth Weight 3. Pre-term Birth 4. Teen Mothers 5. Prenatal care in the 1st trimester
DEATHS	<ol style="list-style-type: none"> 1. Infant Mortality rate 2. Neonatal infant mortality rate 3. Mortality rate due to cervical cancer 4. Mortality rate due to prostate cancer 5. Mortality rate due to COPD 6. Mortality rate due to Diabetes Mellitus 	<ol style="list-style-type: none"> 1. Post-neonatal mortality rate 2. Mortality rate due to all cancers 3. Mortality rate due to trachea, bronchus, & lung cancer 4. Mortality rate due to breast cancer 5. Mortality rate due to cervical cancer 6. Mortality rate due to colorectal cancer 7. Mortality rate due to stroke
CHRONIC DISEASES MAJOR RISK FACTORS		<ol style="list-style-type: none"> 1. Cigarette smoking rate 2. Physical inactivity rate 3. High blood pressure rate 4. Cholesterol checking rate
INFECTIOUS DISEASES	<ol style="list-style-type: none"> 1. Chlamydia 2. Gonorrhea 3. Hepatitis B 4. Pertussis 5. Rubella 6. Meningococcal disease 	<ol style="list-style-type: none"> 1. Salmonellosis
INJURIES	<ol style="list-style-type: none"> 1. Homicide 	<ol style="list-style-type: none"> 1. Suicide 2. Motor Vehicle Injuries
PREVENTIVE SERVICES USE	<ol style="list-style-type: none"> 1. Mammogram for women 40 years and older in the preceding 2 years 	<ol style="list-style-type: none"> 1. Immunization Coverage in 2-year old children 2. Pap smears for adult women 3. Pap smears for adult women 4. Pneumococcal pneumonia vaccination for adults 5. Influenza vaccination for adults in the past 12 months

NEVADA MAP



HEALTH PROFILE DEMOGRAPHICS

2001 DEMOGRAPHICS

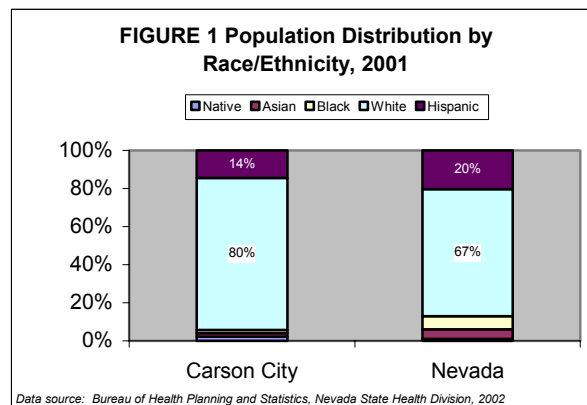
Population in 2001:	Carson City	54,171
	Nevada	2,132,498
Percent of total Nevada population:		2.5%
Population density (people per square mile):	Carson City	366
	Nevada	18

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

TABLE 1 Population by Gender, Age Group, and Race/Ethnicity, 2001

		Carson City		Nevada	
		Population	% of Total Population	Population	% of Total Population
GENDER	Male	27,988	52%	1,086,325	51%
	Female	26,183	48%	1,046,173	49%
	Total	54,171	100%	2,132,498	100%
AGE GROUP	<1	687	1%	31,028	1%
	1-17	11,985	22%	515,040	24%
	18-64	33,406	62%	1,352,890	63%
	65+	8,093	15%	233,541	11%
	Total	54,171	100%	2,132,499	100%
RACE/ETHNICITY	Native	1,182	2%	23,015	1%
	Asian	1,007	2%	106,104	5%
	Black	951	2%	145,888	7%
	White	43,179	80%	1,422,260	67%
	Hispanic	7,851	14%	435,232	20%
	Total	54,170	100%	2,132,499	100%

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002



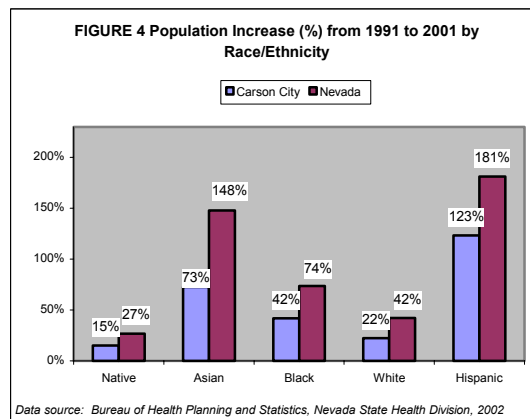
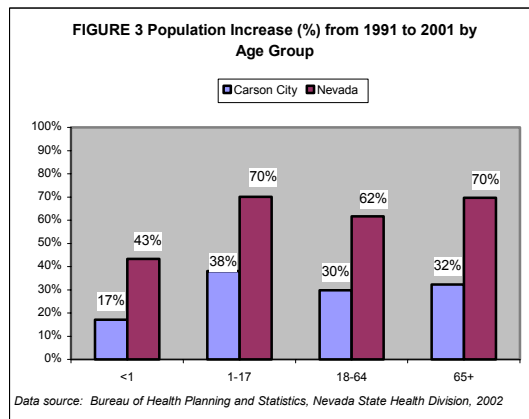
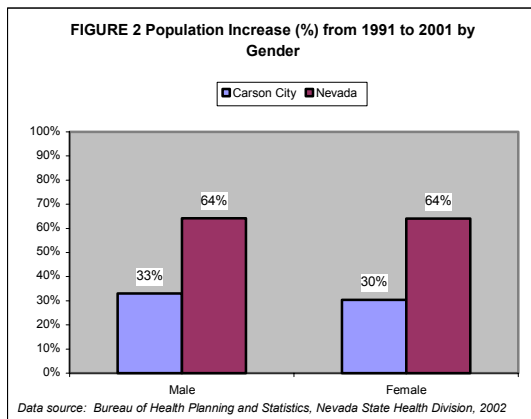
- Carson City had a similar distribution by gender compared to the State of Nevada in 2001.
- Carson City had a higher percentage of population with an age of 65 and older (15%) compared to the State of Nevada (11%) in 2001.
- Carson City had a lower rate of non-white population (20%) compared with the State of Nevada (33%) in 2001.

1991 - 2001 POPULATION CHANGE

TABLE 2 Population Change from 1991 to 2001 by Gender, Age Group, and Race/Ethnicity

		Carson City			Nevada		
		1991	2001	% Increase	1991	2001	% Increase
GENDER	Male	21,037	27,988	33%	661,625	1,086,325	64%
	Female	20,093	26,183	30%	637,735	1,046,173	64%
	Total	41,130	54,171	32%	1,299,360	2,132,498	64%
AGE GROUP	<1	587	687	17%	21,660	31,028	43%
	1-17	8,681	11,985	38%	302,839	515,040	70%
	18-64	25,745	33,406	30%	837,255	1,352,890	62%
	65+	6,116	8,093	32%	137,606	233,541	70%
	Total	41,128	54,171	32%	1,299,360	2,132,499	64%
RACE/ETHNICITY	Native	1,026	1,182	15%	18,163	23,015	27%
	Asian	583	1,007	73%	42,818	106,104	148%
	Black	670	951	42%	84,032	145,888	74%
	White	35,336	43,179	22%	999,544	1,422,260	42%
	Hispanic	3,516	7,851	123%	154,803	435,232	181%
	Total	41,131	54,170	32%	1,299,360	2,132,499	64%

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002



- From 1991-2001, Carson City had a lower population increase rate (32%) compared to the State of Nevada (64%).
- The Hispanic population in Carson City has had the greatest increase rate (123%) among the race/ethnicity groups.

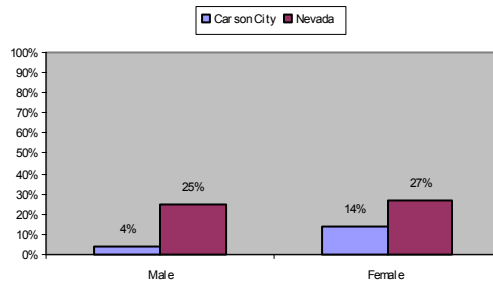
2001 - 2010 POPULATION PROJECTIONS

TABLE 3 Population Projected Change from 2001 to 2010 by Gender, Age Group, and Race/Ethnicity

		Carson City			Nevada		
		2001	2010	% Increase	2001	2010	% Increase
GENDER	Male	27,988	29,163	4%	1,086,325	1,356,489	25%
	Female	26,183	29,864	14%	1,046,173	1,328,363	27%
	Total	54,171	59,027	9%	2,132,498	2,684,853	26%
AGE GROUP	<1	687	813	18%	31,028	40,232	30%
	1-17	11,985	13,057	9%	515,040	628,131	22%
	18-64	33,406	36,196	8%	1,352,890	1,689,759	25%
	65+	8,093	8,961	11%	233,541	326,731	40%
	Total	54,171	59,027	9%	2,132,499	2,684,853	26%
RACE/ETHNICITY	Native	1,182	1,396	18%	23,015	35,517	54%
	Asian	1,007	1,496	49%	106,104	172,683	63%
	Black	951	390	-59%	145,888	190,606	31%
	White	43,179	44,015	2%	1,422,260	1,608,666	13%
	Hispanic	7,851	11,730	49%	435,232	677,380	56%
	Total	54,170	59,027	9%	2,132,499	2,684,853	26%

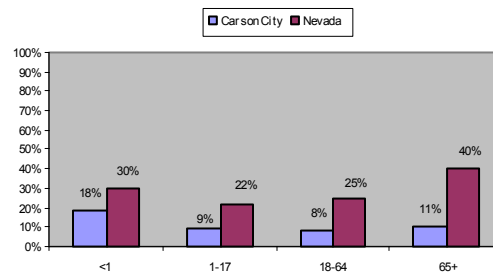
Data source: Nevada State Demographer, 2002

FIGURE 5 Population Increase (%) from 2001 to 2010 by Gender



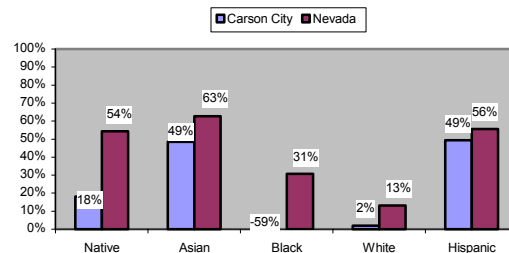
Data source: Nevada State Demographer, 2002

FIGURE 6 Population Increase (%) from 2001 to 2010 by Age Group



Data source: Nevada State Demographer, 2002

FIGURE 7 Population Increase (%) from 2001 to 2010 by Race/Ethnicity



Data source: Nevada State Demographer, 2002

- Population projections for 2010 predict that Carson City will grow at a lower rate (9%) than the State of Nevada (26%).
- Population projections for 2010 predict that the Asian and Hispanic populations will increase and the Black population will decrease.

SOCIOECONOMIC STATUS

TABLE 4 Socioeconomic Status

		Carson City	Nevada
	Total households (2000) ³	20,171	751,165
Households (2000) ¹	Family households (families) (%) ⁴	66%	66%
	Nonfamily households (%) ⁵	34%	34%
	Households with individuals under 18 years (%)	33%	35%
	Households with individuals 65 years and over (%)	28%	21%
	Average household size ⁶	2.44	2.62
Income (2000)	Median household income	\$40,712.00	\$39,280.00
	People of all ages in poverty (%) ⁸	11%	11%
Unemployment rate (%) ²	2001	5.5	5.3
	2000	3.4	4.1
	1999	4	4.4

Data source: ¹ US Census Bureau, Census 2000² Nevada Department of Employment, 2002

Note:

³A household includes all of the people who occupy a housing unit. People not living in households are classified as living in group quarters.⁴A family includes a householder and one or more people living in the same household who are related to the householder by birth, marriage, or adoption. All people in a household who are related to the householder are regarded as members of his or her family.⁵A householder living alone or with nonrelatives only.⁶A measure obtained by dividing the number of people in households by the total number of households (or householders).⁷Represents 90% confidence interval⁸Poverty can be determined based on the poverty thresholds (see technical notes for POVERTY)

- Carson City had a higher percentage of households with individuals 65 years and older (28%) compared to the State of Nevada (21%) in 2000.
- The median household income in Carson City was slightly higher than in the State of Nevada in 2000.

BIRTHS

TABLE 5 Births, 1999-2001

	1999		2000		2001		Healthy People 2010 Targets
	Carson City	Nevada	Carson City	Nevada	Carson City	Nevada	
Total births	740	28,911	701	30,130	744	31,297	No target
Births by race/ethnicity							
Native	17	380	21	372	9	399	No target
Asian	16	1,586	14	1,894	18	2,031	No target
Black	⁶ NA	2,077	⁶ NA	2,255	⁶ NA	2,389	No target
White	503	15,244	459	15,303	512	15,264	No target
Hispanic	186	9,153	202	10,007	200	10,831	No target
Other	15	471	⁶ NA	299	⁶ NA	383	No target
LBW (%) ¹	6.4%	7.6%	7.8%	7.2%	9.0%	7.6%	5.0% ▲
VLBW (%) ²	⁶ NA	1.2%	1.1%	1.3%	1.5%	1.0%	0.9% ▲
Preterm births (%) ³	8.5%	10.2%	8.1%	9.8%	10.9%	10.0%	7.6% ▲
Teen mothers (per 1,000) ⁴	37.8	48.2	45.6	44.3	55.1	40.8	43 ▲
Older mothers (%) ⁵	3.8%	2.2%	3.1%	2.1%	2.2%	2.3%	No target
Unmarried mothers (%)	31.2%	33.4%	32.5%	34.0%	37.1%	32.2%	No target
Prenatal care in 1 st trimester (%)	76.9%	68.7%	82.7%	70.6%	81.5%	72.4%	90.0% ▲

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

Note:

¹LBW: Low Birth Weight (<2,500 grams);²VLBW: Very Low Birth Weight (<1,500 grams);³Preterm births: Births are <37 weeks of gestation;⁴Teen mothers: Mother's age is younger than 18 years old;⁵Older mothers: Mother is older than 40;⁶NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

★ Indicates "HP 2010 target was met" for 2001 for the county

▲ Indicates "HP 2010 target was not met" for 2001 for the county

- The total births for residents of Carson City in 2001 accounted for 2.4% of the total births in Nevada.
- The HP 2010 targets for LBW, VLBW, preterm births, teen mother per 1,000, and percentage of prenatal care in the first trimester were not met by Carson City in 2001.
- The HP 2010 targets for LBW, VLBW, preterm births, and percentage of prenatal care in the first trimester were not met by the State of Nevada in 2001.
- The HP 2010 target for teen mothers per 1,000 live births was met by the State of Nevada in 2001.

DEATHS

TABLE 6 Infant Death Rates per 1,000 Live Births, 1999-2001

Cause of Death	1999		2000		2001		Healthy People 2010 Targets
	Carson City	Nevada	Carson City	Nevada	Carson City	Nevada	
Infant mortality rate ¹	⁴ NA	6.6	⁴ NA	6.5	4.0	5.7	4.5 ★
Neonatal infant mortality rate ²	2.7	3.9	4.3	4.0	0.0	2.9	2.9 ★
Post-neonatal mortality rate ³	2.7	2.7	0.0	2.4	4.0	2.7	1.2 ▲

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

¹ Within the first year² Within the first 28 days of life³ Between 28 days of life and 1 year⁴ NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

TABLE 7 Age-adjusted Mortality Rates per 100,000 Population, 1999-2001

Cause of Death	1999		2000		2001		Healthy People 2010 Targets
	Carson City	Nevada	Carson City	Nevada	Carson City	Nevada	
Diseases of the heart	241.8	267.8	210.7	246.3	266.6	257.4	No target
All Cancers	192.7	200.9	229.4	204.5	227.7	203.5	159.9 ▲
Trachea, Bronchus, & Lung	46.5	62.5	86.4	62.8	75.1	63.0	44.9 ▲
Breast	¹ NA	25.9	25.1	25.8	27.5	24.8	22.3 ▲
Cervical	¹ NA	2.4	¹ NA	3.4	7.7	2.9	2.0 ▲
Colorectal	10.3	21.7	21.0	23.6	21.1	22.0	13.9 ▲
Prostate	27.9	28.8	20.8	25.1	22.9	30.1	28.8 ★
CLRD*	73.7	63.7	85.7	59.1	0.0	0.0	60.0 ★
Stroke	44.0	57.2	49.3	54.0	81.9	55.3	48.0 ▲
Diabetes Mellitus	30.5	16.9	26.8	14.5	34.6	17.3	45.0 ★
Influenza and Pneumonia	13.6	22.1	12.8	21.2	20.9	22.4	No target
All Deaths	926.1	914.1	900.2	881.3	1,058.1	923.4	No target

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

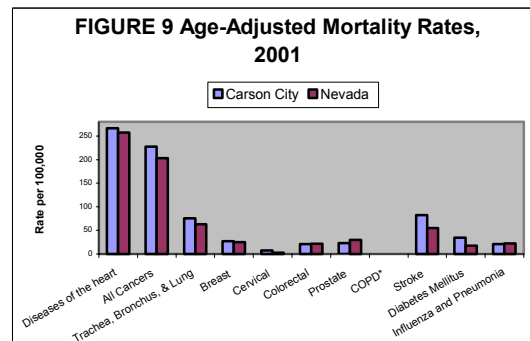
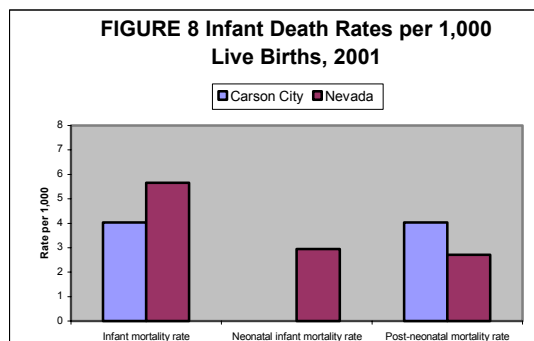
Age adjusted to the year 2000 standard population for all rates and 2010 targets

¹ NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

★ Indicates "HP 2010 target was met" for 2001 for the county

▲ Indicates "HP 2010 target was not met" for 2001 for the county

* CLRD: Chronic Lower Respiratory Disease



- The HP 2010 objectives for age-adjusted mortality rates for post-neonatal mortality, all cancers, trachea, bronchus, and lung cancer, breast cancer, cervical cancer, colorectal cancer, and stroke were not met by Carson City or the State of Nevada in 2001.
- The HP 2010 objectives for age-adjusted mortality for infant mortality, neonatal infant mortality, and prostate cancer were met in Carson City but not the State of Nevada in 2010.
- In 2001, the HP 2010 objectives for age-adjusted mortality for chronic lower respiratory disease and diabetes mellitus were met in Carson City and the State of Nevada.

TABLE 8 Top Ten Causes of Death by Age Group for the Two-Year Period (1999-2000)

	Ranking	Age Group					
		< 1	1-14	15-24	25-44	45-64	> 65
CARSON CITY RESIDENTS	Total Deaths	7	NA ¹	7	60	196	804
	1 st	Others ²	Unintentional Injuries	Suicide	Suicide	Cancer	Heart Disease
	2 nd		Others ²	Homicide	Others ²	Heart Disease	Cancer
	3 rd			Cancer, Unintentional Injuries	Unintentional Injuries	Others ²	Others ²
	4 th				HIV	Suicide, Liver Disease ⁴	Respiratory Disease ³
	5 th				Cancer	Respiratory Disease ³	Stroke
	6 th				Liver Disease ⁴ , Diabetes	Diabetes	Diabetes
	7 th				Heart Disease	Unintentional Injuries	Alzheimer's disease
	8 th				Respiratory Disease ³	Septicemia, Stroke	Septicemia
	9 th				Stroke, Homicide	Influenza and Pneumonia, HIV	Influenza and Pneumonia
	10 th					Homicide	Kidney Disease ⁵
NEVADA RESIDENTS	Total Deaths	386	180	406	2,081	6,562	20,083
	1 st	Others ²	Unintentional Injuries	Unintentional Injuries	Unintentional Injuries	Cancer	Heart Disease
	2 nd	Unintentional Injuries	Others ²	Homicide, Suicide	Others ²	Heart Disease	Cancer
	3 rd	Heart Disease	Heart Disease, Homicide, Cancer	Others ²	Suicide	Others ²	Others ²
	4 th	Septicemia	Septicemia	Cancer	Heart Disease	Unintentional Injuries	Respiratory Disease ³
	5 th	Homicide, Influenza and Pneumonia	Suicide	Heart Disease	Cancer	Liver Disease ⁴	Stroke
	6 th	Stroke	Influenza and Pneumonia, Stroke, Respiratory Disease ³	Influenza and Pneumonia	Homicide	Respiratory Disease ³	Influenza and Pneumonia
	7 th	Cancer, Kidney Disease ⁵	Kidney Disease ⁵	Diabetes, Septicemia	HIV	Suicide	Kidney Disease ⁵
	8 th	Respiratory Disease ³ , HIV		HIV, Stroke, Respiratory Disease ³	Liver Disease ⁴	Stroke	Septicemia
	9 th			Liver Disease ⁴	Stroke	Diabetes	Alzheimer's Disease
	10 th				Diabetes	Septicemia	Diabetes

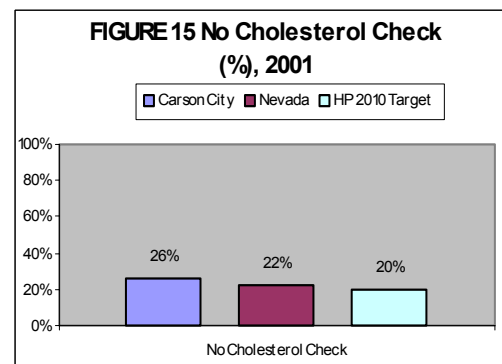
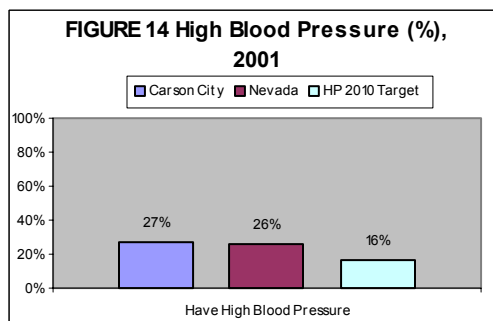
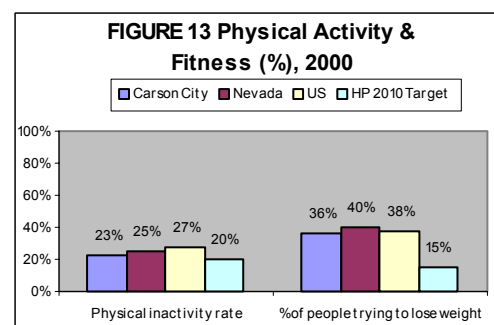
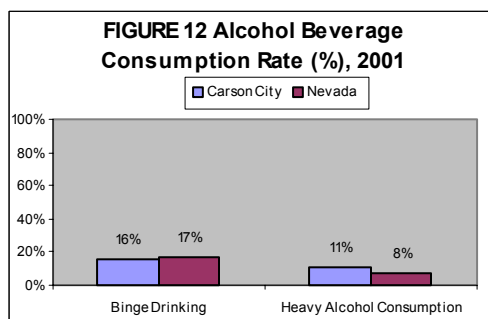
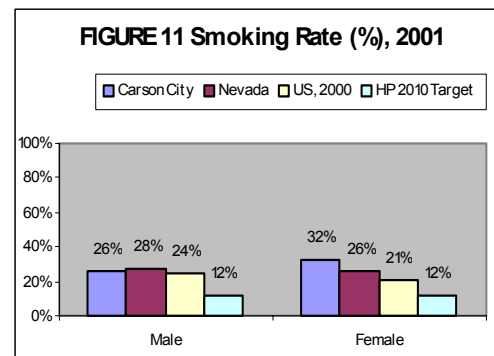
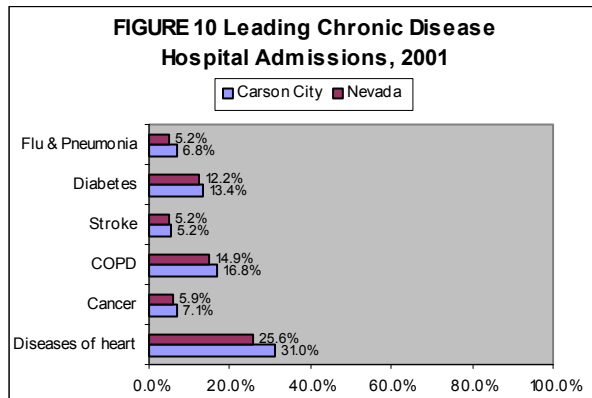
Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

Note:

¹ NA* indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.² Others* represents causes of death other than the 15 leading causes of death including heart disease, cancer, stroke, chronic lower respiratory disease, accidents, influenza and pneumonia, diabetes mellitus, HIV diseases, suicide, chronic liver diseases and cirrhosis, nephritis, nephrotic syndrome and nephrosis, septicemia, Alzheimer's Disease, homicide & legal intervention, and atherosclerosis.³ Respiratory Disease* represents chronic lower respiratory diseases.⁴ Liver Disease* represents chronic liver disease and cirrhosis.⁵ Kidney Disease* represents nephritis, nephritic syndrome, and nephrosis.

- Suicide was the leading cause of death in the 15-24 and 25-44 age groups in Carson City for 1999-2000.

CHRONIC DISEASES: CONDITIONS AND RISK FACTORS



- In 2001, Carson City had a higher hospital admission rate for flu, and pneumonia, diabetes, COPD, cancer, and heart disease, than the State of Nevada. Carson City also had a higher percentage of female smokers, heavy alcohol consumers, and those who engage in less physical activity, and more who go without checking their cholesterol than those across the State of Nevada.
- In the Nevada BRFSS 2001 survey, 2,570 people (1,307 male, 1,263 female) were included. Out of the 2,570 people, 164 lived in Carson City (87 male, 77 female).
- In the Nevada BRFSS 2000 survey, 2,100 people (1,044 male, 1,056 female) were included. Out of the 2,100 people, 134 lived in Carson City (57 male, 77 female).
- For alcohol beverage consumption rate, no US nationwide data and HP 2010 targets were available
- For physical activity and fitness, no US nationwide data were available

INFECTIOUS DISEASES

TABLE 9 Reported Infectious Disease Case Rates per 100,000 Population, 1999-2001

Infectious Diseases	Carson City			Nevada			Healthy People 2010 Targets
	1999	2000	2001	1999	2000	2001	
Acquired Immunodeficiency Syndrome (AIDS)	11.4	⁴ NA	⁴ NA	12.1	13.3	10.5	1.0
Human Immunodeficiency Virus (HIV) - Not yet AIDS	⁴ NA	⁴ NA	⁴ NA	9.3	13.6	12.2	Not Available
Chlamydia	127.3	163.5	138.5	145.1	189.0	227.2	170.0 ¹ ★
Gonorrhea	11.4	22.6	12.9	61.3	73.2	82.8	19.0 ★
Syphilis (primary & secondary)	0.0	0.0	⁴ NA	0.2	0.2	0.4	0.2
Hepatitis A	⁴ NA	0.0	⁴ NA	6.8	4.2	3.3	4.5
Hepatitis B	⁴ NA	0.0	0.0	2.8	2.6	2.4	2.4-5.1 ² ★
Hepatitis C	⁴ NA	⁴ NA	⁴ NA	0.5	0.8	0.4	1.0
Mumps	0.0	0.0	⁴ NA	0.2	0.3	0.2	0.0
Pertussis	0.0	0.0	0.0	0.7	0.7	1.9	See note ³ ★
Rubella	0.0	⁴ NA	0.0	0.0	0.0	0.0	0.0 ★
Meningitis (Bacteria)	⁴ NA	0.0	⁴ NA	1.2	2.3	1.2	8.6
Meningococcal disease	⁴ NA	⁴ NA	0.0	0.4	0.2	0.4	1.0 ★
Tuberculosis	⁴ NA	⁴ NA	⁴ NA	4.5	4.4	4.5	1.0
Campylobacteriosis	19.0	18.8	⁴ NA	6.5	10.2	9.2	12.3
<i>E. coli</i> 0157 Diarrhea	⁴ NA	⁴ NA	⁴ NA	1.2	0.7	0.8	1.0
Salmonellosis	15.2	43.2	16.6	9.4	12.4	9.5	6.8 ▲

Data source: HIV/AIDS Reporting System (HARS), STD-MIS, and National Electronic Telecommunications Surveillance System (NETSS)

provided by Bureau of Community Health, Nevada State Health Division, 2002

Note: ¹Prevalence rate per 100,000 population for Chlamydia is HP 2000 target. No HP 2010 target for prevalence rate per 100,000 population for Chlamydia is available

²HP 2010 target is 2.4, 5.1, and 3.8 cases per 100,000 population for age groups 19-24, 25-39, and 40+, respectively.

³HP 2010 target is 2,000 cases nationwide for children under 7 years of age. No HP 2010 target rate is available

⁴NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

★ Indicates "HP 2010 target was met" for 2001 for the county

▲ Indicates "HP 2010 target was not met" for 2001 for the county

- Data presented in the table only reflects reported cases. Some diseases such as Hepatitis may be very under-reported indicating a need for increased surveillance.
- In 2001 Carson City met HP 2010 targets for Chlamydia, Gonorrhea, Hepatitis B, Pertussis, Rubella, and Meningococcal disease.
- In 2001 Carson City did not meet HP 2010 targets for Salmonellosis.
- HP 2010 objectives were not reviewed for those infectious diseases for which in 2001 there were fewer than 5 cases. These were AIDS, Syphilis, Hepatitis A, Hepatitis C, Meningitis, Tuberculosis, Campylobacteriosis, and *E. coli*.

INJURIES

TABLE 10 Injury Death Rate per 100,000 Population, 1999-2001

	Year	Carson City	Nevada	Healthy People 2010 Targets	
Homicide	1999	¹ NA	8.2	3.0	
	2000	¹ NA	6.2	3.0	
	2001	1.9	8.8	3.0	★
Suicide	1999	40.3	20.6	5.0	▲
	2000	16.6	19.2	5.0	▲
	2001	24.2	18.2	5.0	▲
Motor Vehicle Injuries	1999	11.7	15.0	9.2	▲
	2000	¹ NA	13.2	9.2	
	2001	18.7	15.3	9.2	▲

Data source: Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

★ Indicates "HP 2010 target was met" for 2001 for the county

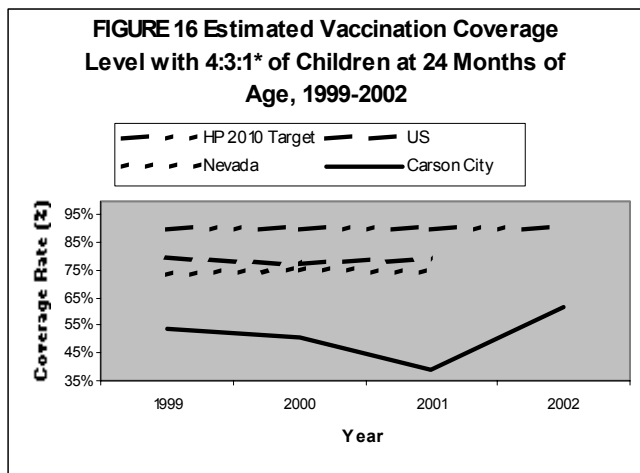
▲ Indicates "HP 2010 target was not met" for 2001 for the county

¹NA indicates data that is unavailable due to cell size less than 5. See technical notes for data confidentiality.

- Death rates per 100,000 population for Carson City and Nevada and HP 2010 targets are age-adjusted rates (year 2000 standard population)
- In 2001, Carson City reached the HP 2010 target for homicide.
- In 2001, neither Carson City nor the State of Nevada reached the HP 2010 targets for suicide or motor vehicle injuries.

PREVENTIVE SERVICES USE

IMMUNIZATION COVERAGE LEVELS IN CHILDREN

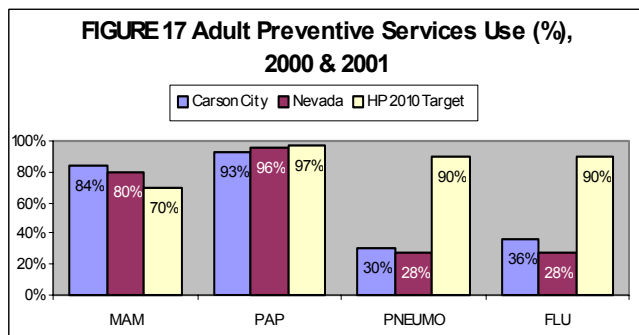


Data source: Bureau of Community Health, Nevada State Health Division, 2002

* Four or more doses of Diphtheria and Tetanus toxoids and Pertussis vaccine, 3 or more doses Poliovirus Vaccine, and one or more doses of Measles-Mumps-Rubella vaccine

- The data for Carson City is from the public health clinic only. It does not reflect the complete vaccination coverage level in Carson City.
- The data for Nevada and the US were obtained from the National Immunization Survey for Children 19-35 months of age. Data has not yet been released for 2002.
- The Healthy People 2010 target is for children 19-35 months of age.

ADULT PREVENTIVE SERVICES USE



Data source: Nevada State Behavioral Risk Factor Surveillance System (BRFSS), 2000 & 2001, provided by the Bureau of Health Planning and Statistics, Nevada State Health Division, 2002

Note:

MAM: Mammogram for women 40 years and older in preceding 2 years (2000 BRFSS)

PAP: Pap smears for adult women (2000 BRFSS)

PNEUMO: Pneumococcal pneumonia vaccination for adults (2001 BRFSS)

FLU: Influenza vaccination for adults in the past 12 months (2001 BRFSS)

- In the Nevada BRFSS 2001 survey, 2,570 people (1,307 male, 1,263 female) were included. Out of the 2,570 people, 164 lived in Carson City (87 male, 77 female).
- In the Nevada BRFSS 2000 survey, 2,100 people (1,044 male, 1,056 female) were included. Out of the 2,100 people, 134 lived in Carson City (57 male, 77 female).
- Carson City and the State of Nevada had very low self-reported adult vaccination coverage for influenza and pneumonia compared to the HP 2010 target.

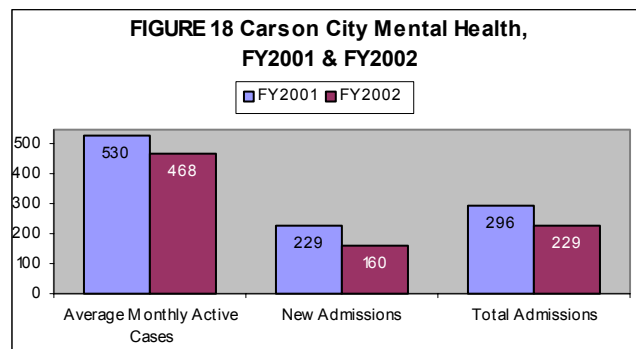
MENTAL HEALTH

There are 18 clinics that comprise the Mental Health Rural Clinics service delivery system. Each clinic has a combination of psychiatrist(s), psychologists, clinical social workers, mental health counselors, psychiatric caseworkers, and support staff. Each clinic provides an array of mental health services on an outpatient basis such as individual, couple, and family therapy, group therapy, medication clinic, service coordination, psychological testing, psychosocial rehabilitation, housing services, emergency services, and consultation and education. Many clinics also have substance abuse counselors.

TABLE 11 Mental Health Case Loads in Carson City, Fiscal Years 2001 & 2002

	Fiscal Year 2001	Fiscal Year 2002
Average Monthly Active Cases	530	468
New Admissions	229	160
Total Admissions	296	229

Data source: Division of Mental Health and Developmental Services, Rural Clinics Community Outpatient Services, 2002



Data source: Division of Mental Health and Developmental Services, Rural Clinics Community Outpatient Services, 2002

TECHNICAL NOTES

1. RACE AND ETHNICITY

In this report, "Native" refers to American Indian, non-Hispanic populations; "Asian" refers to Asian/Pacific Islander, non-Hispanic populations; "Black" refers to African American, non-Hispanic populations; "White" refers to White, non-Hispanic populations; "Hispanic" includes all races with a Hispanic ethnic origin. No duplicate counting exists.

2. POPULATION DATA

All Carson City and Nevada population data were based on the database established by the Nevada State Demographer's Office and provided by the Bureau of Health Planning and Statistics, Nevada State Health Division.

3. CRUDE RATE

Crude Death Rate = Number of Deaths / Population x 1,000 or 100,000

(This rate calculation was applied to infant mortality rate, neonatal mortality rate, and post-neonatal mortality rate)

Crude Incidence Rate = Number of New Cases of Specific Disease / Population x 100,000

(This rate calculation was applied to the rate of infectious diseases per 100,000 population)

4. AGE-ADJUSTED MORTALITY RATE

Age-Adjusted Mortality Rate = Total Expected Number of Deaths / Total Standard Population x 100,000

(This rate calculation was applied to the mortality rate of leading causes of death and injuries in this report. Health People 2010 targets for mortality rates of leading causes of death and injuries are also age-adjusted rates. For all three-year's, 1999-2001 age-adjusted rate calculations, the age was adjusted to the year 2000 standard population.)

5. DATA CONFIDENTIALITY

According to the data confidentiality policy of the Nevada State Health Division, sensitive cases (number of reported cases equal to or less than 5) are not allowed to be reported for general publication. Further information for internal use can be provided by the Bureau of Community Health upon request.

6. SAMPLE SIZE FOR BRFSS IN CARSON CITY

In the Nevada BRFSS survey, 134 and 164 Carson City residents participated in the survey in 2000 and 2001 respectively. The sample size may not be ideal to represent Carson City's population and caution should be used when interpreting BRFSS survey responses.

7. POVERTY

How the Census Bureau Measures Poverty

Following the Office of Management and Budget's (OMB) Statistical Policy Directive 14, the U.S. Census Bureau uses a set of money income thresholds that vary by family size and composition to determine who is poor. If a family's total income is less than that family's threshold, then that family, and every individual in it, is considered poor. The poverty thresholds do not vary geographically, but they are updated annually for inflation using the Consumer Price Index (CPI-U). The official poverty definition counts money income before taxes and does not include capital gains and noncash benefits (such as public housing, Medicaid, food stamps). Poverty is not defined for people in military barracks, institutional group quarters, or for unrelated individuals under age 15 (such as foster children). They are excluded from the poverty universe – that is, they are considered neither as "poor" nor as "nonpoor."

Source: Joseph Dalaker and Bernadette D. Proctor, U.S. Census Bureau, Current Population Reports, Series P60-210, Poverty in the United States: 1999, U.S. Government Printing Office, Washington, DC, 2000.

REFERENCES

Bureau of Health Planning and Statistics and Center of Applied Research. *Nevada Behavioral Risk Factor Surveillance Survey Time Trend Analysis: 1992-2001*. Department of Human Resources, Carson City, Nevada: State Health Division. April 2001.

Bureau of Health Planning and Statistics. *Nevada Vital Statistics 1999*. Department of Human Resources, Carson City, Nevada: State Health Division. February 2001.

CDC. *Nevada 2000 State Health Profile*. Atlanta, GA: US Department of Health and Human Services, CDC, 2000.

Eberhardt MS, Ingram DD, Makuc DM, et al. *Urban and Rural Health Chartbook. Health, United States, 2001*. Hyattsville, Maryland: National Center for Health Statistics. 2001.

Nevada State Demographer. Nevada July 1, 2000 Population Estimate from Nevada Demographer (Based on Census 2000, April 1, 2000 Estimates, Adjusted for Other and Two or More Races). 2001.

U.S. Department of Health and Human Services. *Healthy People 2010*. 2nd ed. With Understanding and Improving Health and Objectives for Improving Health. 2 Vols. Washington, DC: U.S. Government Printing Office, November 2000.